



PA6 GL 280x2000 mm grÄ¶n

Artikelnr P1600296

| Kategori | PA |
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## Tekniska egenskaper

### Density & Weight

| Egenskap | Värde | Enhet             | Provningsstandard |
|----------|-------|-------------------|-------------------|
| Density  | 1.1   | g/cm <sup>3</sup> | DIN EN ISO 1183-1 |

## Tensile Properties

| Egenskap                        | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength                | 67.5  | MPa   | DIN EN ISO 527    |
| Modulus of elasticity (tensile) | 3000  | MPa   | DIN EN ISO 527    |
| Break Elongation                | 198.5 | %     | DIN EN ISO 527    |

## Temperature Limits

| Egenskap                                   | VÄrde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 218   | Å°C   | ISO 11357-3       |
| Maximal operating temperature (short-term) | 162.5 | Å°C   |                   |
| Maximum Operating Temperature              | 109   | Å°C   |                   |
| Minimum temperature                        | -40   | Å°C   |                   |
| Heat deflection temperature (HDT/A)        | 90    | Å°C   | ISO 75            |

## Insulation Properties

| Egenskap                    | VÄärde               | Enhet | Provningsstandard |
|-----------------------------|----------------------|-------|-------------------|
| Dielectric Strength         | 20                   | kV/mm | IEC 60243         |
| Volume Resistivity          | 10 <sup>14</sup> Ω·m | Ω·cm  | DIN EN 62631-3-1  |
| Dielectric Constant (1 MHz) | 3.7                  | -     | IEC 60250         |

| Egenskap                        | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Dielectric loss factor (100 Hz) | 0.02  | -     | IEC 60250         |

Thermal Conductivity

| Egenskap             | VÄrde | Enhet   | Provningsstandard |
|----------------------|-------|---------|-------------------|
| Thermal Conductivity | 0.3   | W/(m·K) | DIN 52612-1       |

Static spread

| Egenskap                         | VÄrde              | Enhet | Provningsstandard |
|----------------------------------|--------------------|-------|-------------------|
| Surface Resistivity              | 10 <sup>11</sup> Ω | Ω     | DIN EN 62631-3-2  |
| Comparative Tracking Index (CTI) | 600                | V     | IEC 60112         |

Moisture Absorption

| Egenskap                       | VÄrde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 5.65  | %     | DIN EN ISO 62     |
| Water Absorption to Saturation | 5.65  | %     | DIN EN ISO 62     |

Impact Resistance

| Egenskap                         | VÄrde | Enhet | Provningsstandard |
|----------------------------------|-------|-------|-------------------|
| Notched impact strength (Charpy) | 13    | kJ/m² | DIN EN ISO 179    |

Thermal Expansion

| Egenskap                      | VÄrde | Enhet               | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 0.7   | 10 <sup>-6</sup> /K | DIN 53752         |

Hardness

| Egenskap         | VÄrde | Enhet     | Provningsstandard |
|------------------|-------|-----------|-------------------|
| Hardness Shore D | 81    | ° Shore D | ISO 868           |